

Invites you to

“Above and Beyond”

Tall Building Seminar



Featuring International Guest Speakers

NYFD Battalion Chief John Buckheit
MFD Deputy Chief Fire Officer David Youseff
Ben Bradford - BB7 Fire Risk & Resilience consultants

Featuring three international guest speakers, New Zealand Fire Service and industry experts from Australia and New Zealand, this one day seminar will introduce you to the latest trends and developments in high rise building design and fire fighting techniques.

Drawing from an international perspective, the morning session will focus on fire fighting techniques and recent experiences. The afternoon session will provide a focus on fire engineering design and evacuation issues associated with high rise building design from local designers working in New Zealand and internationally.

Join the Institution of Fire Engineers for this free one day seminar on the 20th October 2015



Hosted by Beca Ltd at 21 Pitt Street



in association with

THE INSTITUTION OF FIRE ENGINEERS
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Programme of Speakers

0830 – Registration and Coffee

0855 – Opening Address

0900 – John Buckheit – Modern High-rise Fire Fighting Techniques

Tea and Coffee

1030 – David Youseff – Docklands Fire, Melbourne

Lunch

1300 – NZFS Fire Engineers – International Code Comparisons

1400 – Ben Bradford – Strategic Fire Risk Management in High-rise buildings

1445 – Alan Kerr – Pedestrian Modelling and Evacuation Simulation

Tea and Coffee

1530 – James Boyes – High-rise evacuation using Pathfinder

1615 – Daryn Glasgow – Super Tall and High-rise Design

Speakers



John Buckheit is a New York City Fire Chief with nearly three decades of firefighting and emergency response experience. In 1986 John joined the Fire Department of New York and was assigned Downtown Brooklyn. In 2008 He became a Battalion Chief in Midtown Manhattan, responsible for administration, training, and emergency operation of 7 fire units, comprised of 7 Captains, 21 Lieutenants, and 140 Firefighters. The area has hundreds of High-rise buildings, thousands of occupancies, hundreds of thousands of residents, commuters, and visitors; as well as such critical infrastructure features as Penn Station Transportation Hub, Lincoln Tunnel, Madison Square Garden Arena, Empire State Building, Macy's Department Store, The Google Building, et cetera.



David Youseff joined the MFB in 1985. During his 30 year career he has undertaken lengthy and rewarding placements with Civil Aviation Authority – Rescue Fire Fighting Service, Brampton Fire Department, Ontario, Canada, and the Victorian Department of Justice. David leads MFB's service delivery to the North West Metro Region which covers the Northern, Western and Central suburbs of Melbourne, inclusive of industrial areas and incorporating 27 Major Hazard Facilities as well as a growing inner city residential component



Holding dual professional status as both a Chartered Engineer and Chartered Surveyor, Ben Bradford is the founder and Managing Director of BB7 Fire Risk & Resilience consultants. He has chaired the FIA Fire Risk Assessment Council's Professional Standards Working Group for almost six years and was a founding member of the Fire Engineering Council. As the Principle author of PAS 7: Fire Risk Management Systems Specification from the British Standards Institution, Ben is particularly interested in organizational fire risk management strategy and operational challenges.

Ben is heavily involved with the London Branch of Institution of Fire Engineers as their Marketing and Events Chair. He sits on both the FIA Fire Engineering and Fire Risk Assessment Councils plus a couple of working groups for the Fire Sector Federation. In May 2016 he will become the President of the Chartered Association of Building Engineers.



Alan Kerr is a technical director in Beca's Wellington office. He is also Beca's specialist in pedestrian flow modelling and major event planning having worked on some of the most complex infrastructure and major events projects worldwide. Alan has recently undertaken pedestrian planning projects for the London, Sochi and Rio Olympics, the NZ Rugby World Cup, the Volvo Ocean Race, the V8 supercars and World Youth Day 2013 in Brazil. Alan will deliver a presentation on how modelling and simulation can be used to understand how people use space in a number of contexts (specifically normal operations and emergency evacuation). He will draw on case studies from his rail and major event experience, but he'll also touch on how these techniques can be applied to high rise commercial buildings.



With 15 years experience, James has actively worked on and led all phases of projects, from concept design, design development, documentation, construction to practical completion. James is a Chartered Engineer who has also gained global fire engineering experience working in New Zealand, Hong Kong, Denmark and the UK with projects extending to Russia, Poland and Italy. James has a wide range of project experience including public assembly buildings, education, healthcare facilities, mining camps, industrial warehouses, sports stadia, hotels, airports, train stations, residential, commercial and defence. James proactively focuses on working with the client, building owners, architects, design teams, building certifiers and fire authorities to ensure the clients design objects are achieved. James brings to projects significant experience in design based engineering and a proactive project management style that provides innovative solutions to the projects he works on.



Fire Service Engineers Etienne Hermouet and Angela Chen will provide a code comparison presentation outlining various international building codes for high rise building design and exploring the use of elevators for evacuation.



After an extensive twelve year career as an operational fire-fighter in the military crash rescue and urban fire environment, Daryn's career focus shifted to taking this valuable experience and applying it to technical fire engineering. He is currently a Technical Director at Beca Ltd, and part of the leadership group providing governance and technical guidance to Beca's wider fire team extending across their New Zealand, Australia and Asia hubs. Daryn has extensive regulatory design review and fire engineering design experience across a range of sectors, specialising in large scale performance based fire engineering design including fire and life safety design in tall and super tall building developments. He is currently leading the fire engineering design of the Signature Tower project in Jakarta Indonesia. This is a 111 level (626m) super tall mixed use development coupled with a second 55 level hotel and office tower. In New Zealand, Daryn's current project portfolio includes the 49 level NDG Auckland Centre on Elliot Street and the recently proposed 48 level residential tower at 28 Shortland Street Auckland City. His presentation will cover various aspects and challenges of tall building design and regulatory approvals, drawn from his international and local experience.

Date: 20th October 2015

Venue: Beca Auditorium at 21 Pitt Street Auckland

Lunch Provided

Limited spaces available - Reserve your seat now by emailing Ed Claridge on Ed@ife.org.nz

For further information and details see the IFE website



This event has been approved by the Institution of Fire Engineers as providing 6.5 hours of Continuing Professional Development Activity

